SLIDE #6 (colored)

Section of creek filled with debris before any work. (1981)

SLIDE #7 (colored)

Same section of creek (see stumps) immediately after heavy equipment work. Jack & one-year-old daughter Kasara to show scale. (1981)

I think only 5 printed

see contact sheet

#8 — Choose best of first 6 fotos (B & W) on undeveloped roll. (1989)
These photos show Jack and now nine-year-old Kasara in exactly the same place. The creek has downcut slightly, but the same stumps can be seen slightly overgrown by planted trees.

NOTE: 32' x 4' overshot water wheel in background — an entire story of its own.

DON
Quick
prints
please

If we use 6 - 7 - 8 it can be "before", "after" and "recent"

" " " just 7 & 8 it will be "before" & "after"

IDENTIFYING TREE BURL & STUMP

PHOTO # 1
BEFORE (1981) →

Shows section of creek on our land where bank cutting was causing a slide. The bank on the right was an unhealed wound constantly being eroded by high flows. The shallow, constantly changing creek bed was a poor habitat for fish.

NOTE: THESE ROCKS (A, B, C) WERE CAREFULLY REPOSITIONED TO PROVIDE BANK PROTECTION & HELP CREATE POOL

KO: these are extra photos for now - unless you need 'em later They're Not that great

IDENTIFYING TREE BURL & STUMP

PHOTO # 2
AFTER (1989) →

Rock protection of the eroding bank and tree planting have stopped all active erosion. Excellent fish habitat at present. In a few more years the stream will be shaded by planted trees and it will be much like it was before logging. The pool here is approx. 30' in diameter.

I don't believe her - maybe she means during high water.

IDENTIFYING TREES A & B

PHOTO #3
BEFORE (1981)

D-6
VW

This is the before photo of the site on our creek where we had creek bank cutting which removed the toe of the slope, subsurface springs, and surface run off all combined to make a very ugly and difficult erosion (AND ACCESS) problem. The D-6 catepillar dozer, the VW Bug & the people on the road (what's left of the road) provide a sense of scale. The creek ran subsurface through this stretch under large quantities of debris.

Original photos are behind 3 screen

Photos 3 & 4 go at text p. 9

PHOTO #4
AFTER (1989)

IDENTIFYING TREES A & B

(showing exact same site)

Big rock rip rap provides toe protection

Pipes at top divert surface run off on a temporary basis to allow site to stabilize.

Dotted white lines show subsurface (French) drains.

10' redwood tree in foreground was planted after work in 1981. Trees have not been reestablished on opposite bank because we had to do underground drains. This has been one of my most challenging projects (or should I say frustrating).

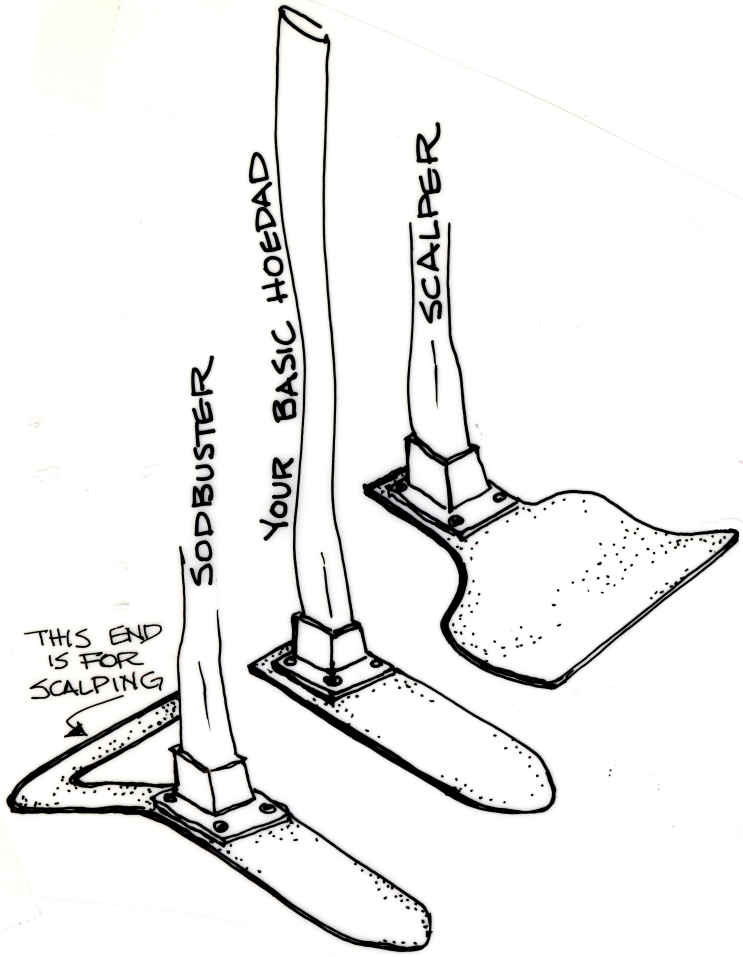
PHOTO #5

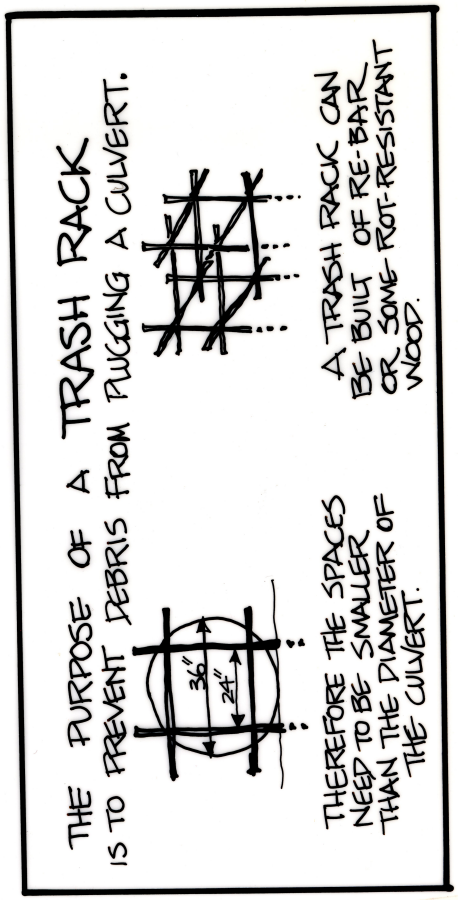
Colored print of Redwood slab check dams.

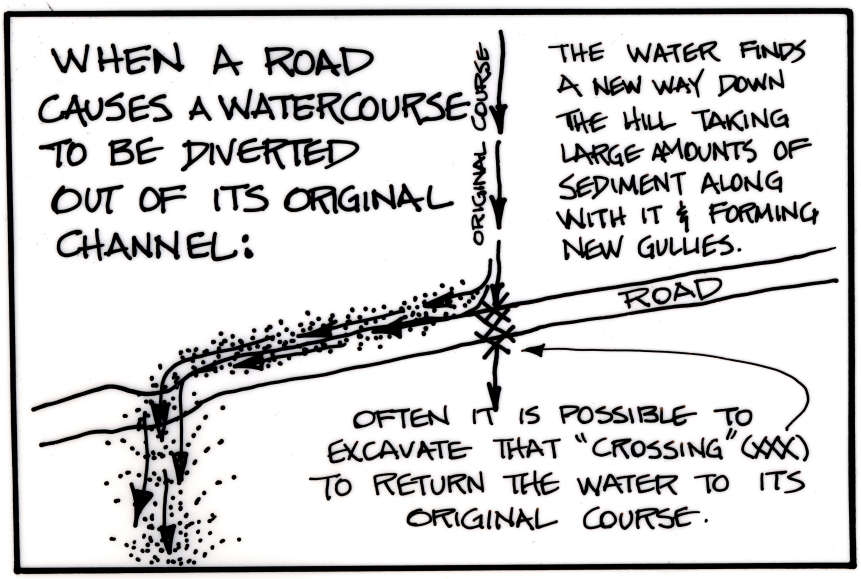
original is behind xerox →

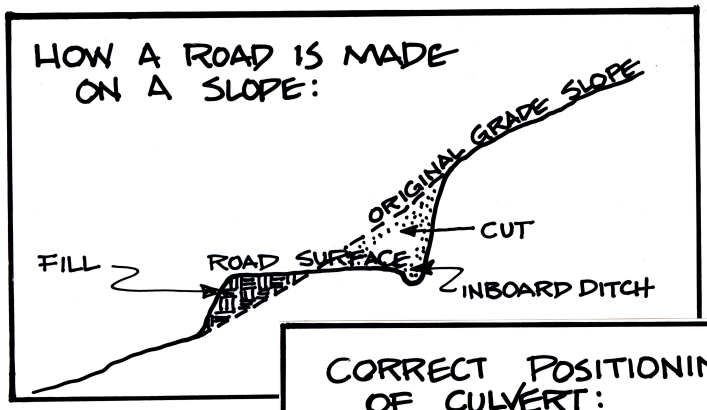
see at text

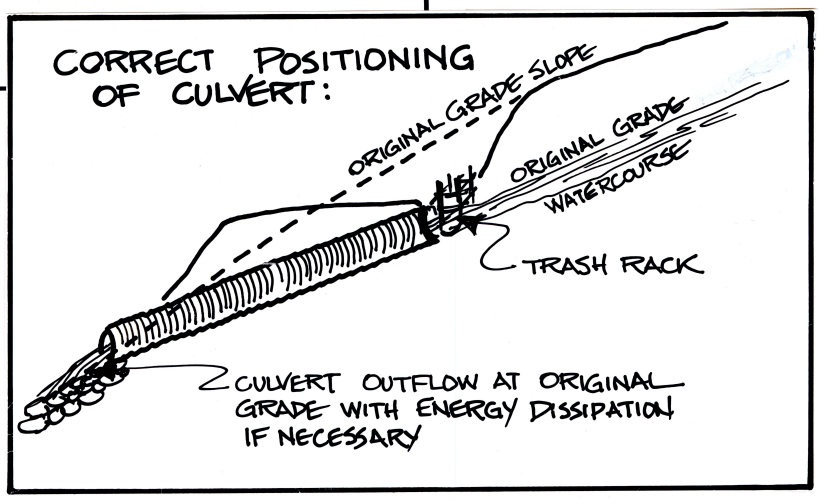
P. 8


SODBUSTER
YOUR BASIC HOEDAD
SCALPER
THIS END IS FOR SCALPING

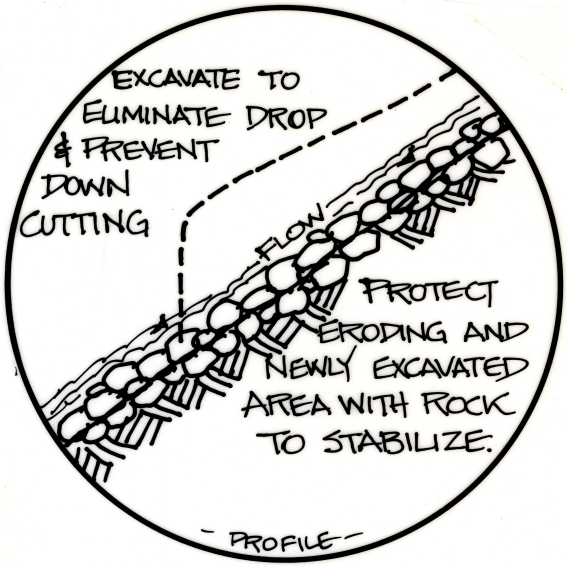

THE PURPOSE OF A TRASH RACK IS TO PREVENT DEBRIS FROM PLUGGING A CULVERT.
36"
24"
THEREFORE THE SPACES NEED TO BE SMALLER THAN THE DIAMETER OF THE CULVERT.
A TRASH RACK CAN BE BUILT OF RE-BAR OR SOME ROT-RESISTANT WOOD.

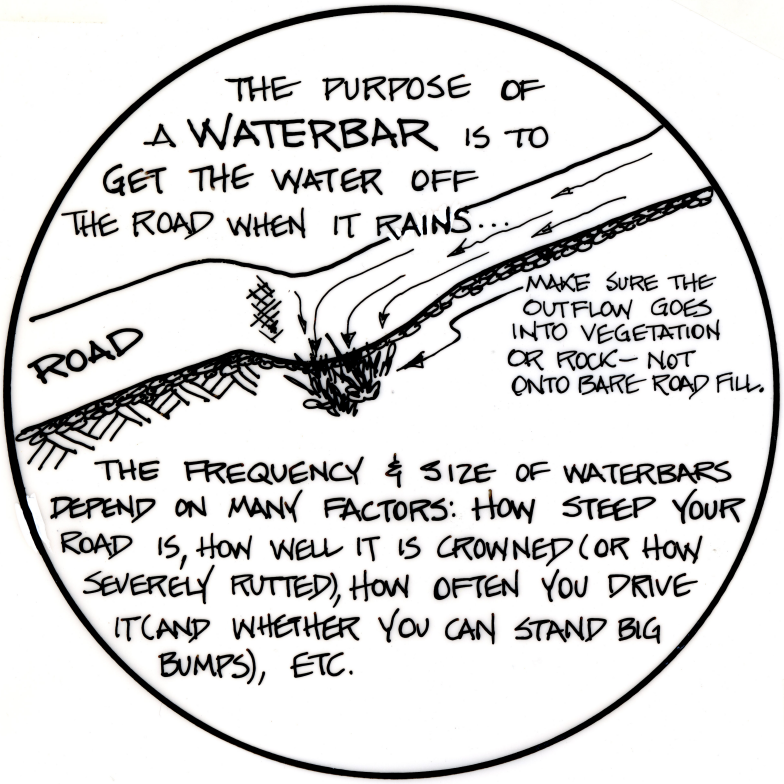

WHEN A ROAD CAUSES A WATERCOURSE TO BE DIVERTED OUT OF ITS ORIGINAL CHANNEL:
ORIGINAL COURSE
THE WATER FINDS A NEW WAY DOWN THE HILL TAKING LARGE AMOUNTS OF SEDIMENT ALONG WITH IT & FORMING NEW GULLIES.
ROAD
OFTEN IT IS POSSIBLE TO EXCAVATE THAT "CROSSING" (XXX) TO RETURN THE WATER TO ITS ORIGINAL COURSE.

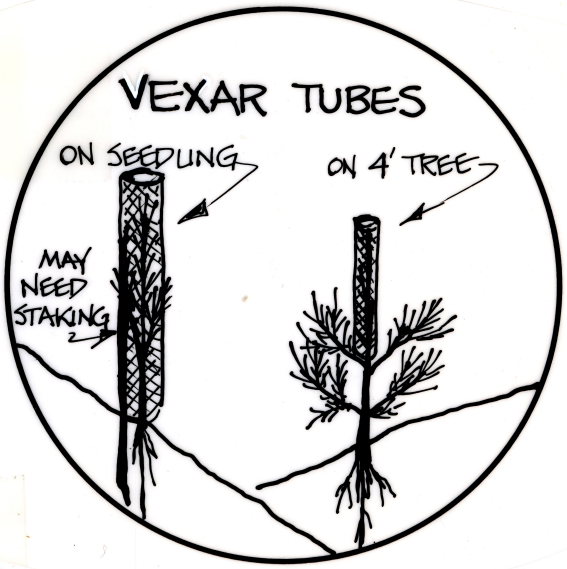

HOW A ROAD IS MADE ON A SLOPE:
ORIGINAL GRADE SLOPE
CUT
FILL
ROAD SURFACE
INBOARD DITCH


CORRECT POSITIONING OF CULVERT:
ORIGINAL GRADE SLOPE
ORIGINAL GRADE
WATERCOURSE
TRASH RACK
CULVERT OUTFLOW AT ORIGINAL GRADE WITH ENERGY DISSIPATION IF NECESSARY

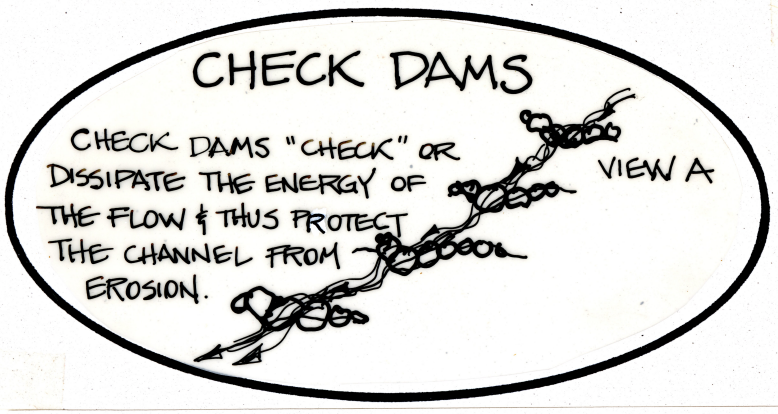
... AND WHAT TO DO....

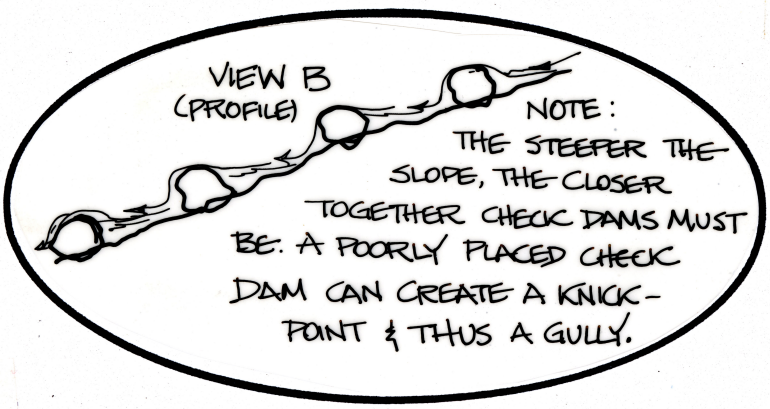


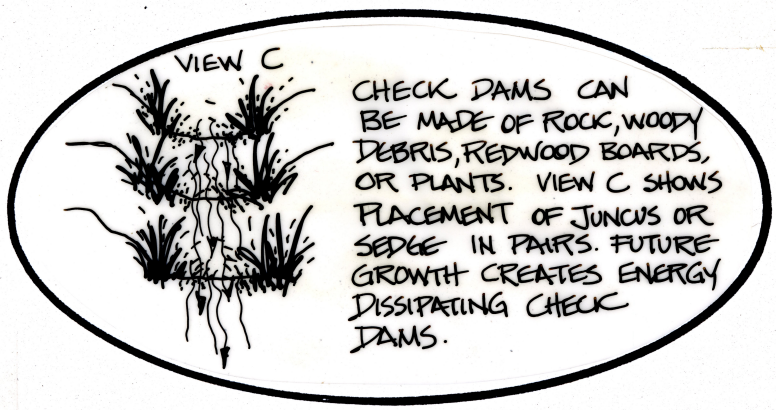



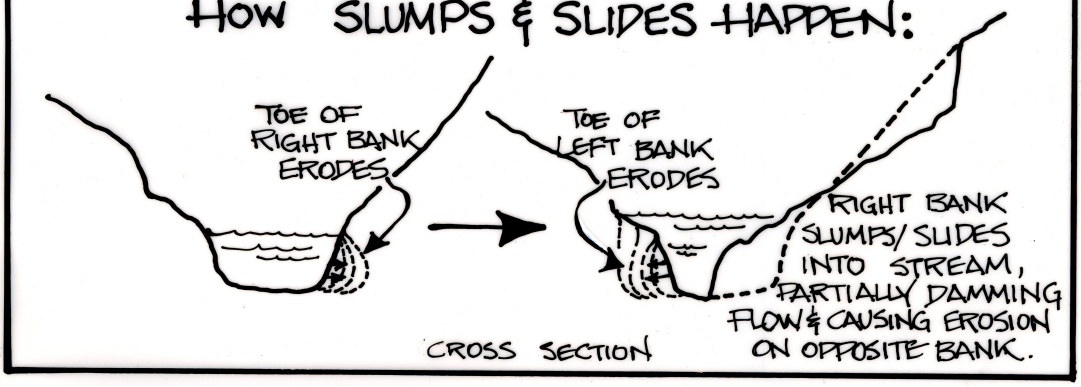
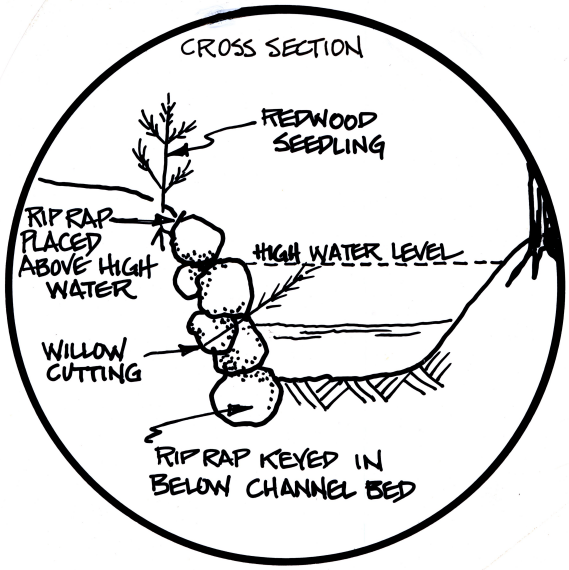
# CHECK DAMS




# HOW SLUMPS & SLIDES HAPPEN:



AND WHAT TO DO.....